

PERFORMANCE PLAN & AGREEMENT
For Electronic Maintenance & Supply Vans/Shelters
May 12, 2003

The Electronic Maintenance & Supply Vans/Shelters are mobile systems consisting of AN/ASM-146/147 and AN/ASM -189/190 units. The AN/ASM-146 & -147 are S-280/G Shelter based and are 2½-5 ton vehicle transportable. The AN/ASM-189 /190 are housed inside M373A2 (thirty feet) Semi-Trailer Vans, and is five-ton tractor transportable.

The Vans/Shelters are primary maintenance facilities for the entire Combat Service Support Army Electronics Maintenance Mission. They provide a sheltered facility for bench testing and repair/calibration of: avionics, communications, electronic, navigation, photographic, and infrared systems, at every echelon of maintenance.

Program Description.

On September 28, 2001, the Vice Chief of Staff of the Army approved the Recapitalization plan for the Electronic Shops Program. The Recapitalization Program will be accomplished entirely via depot rebuild that will bring each system to a near zero hours/miles condition, as well as incorporate several reliability/supportability initiatives, and safety fixes. This Recapitalization Program will improve efficiency of electronics maintainers, improve readiness of sustained systems, and replace the aging/obsolete Power Supply and 400Hz Frequency Converter with Commercial Off-The-Shelf (COTS) state-of-the-art power supplies. The Program will perform a Full Recapitalization of 957 each Electronic Shops during FY03-FY07(Fiscal Year 2003), with initial fielding to begin in FY04. This partial fleet quantity (of the total worldwide density of 2750 each is to serve as a bridge to a yet undefined Training and Doctrine Command (TRADOC) modernization program plan. The following Electronic Shop Systems will be affected:

a. AN/ASM-146s (Line Item Number H01907): A Full Recapitalization Rebuild of 426 each Electronic Maintenance Shop Shelters shall be performed, and the following U.S. Combined Arms Support Command (CASCOM) Recommended Changes shall be incorporated:

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| <ul style="list-style-type: none">-Required upgrade modification of shelter main electrical service wiring from 80 AMP (Single Phase) to 60 AMP 3 Phase.-Installed addition of Power Distr. Box, PP-8479 (V) 3/ASM.-Replace PP-1104C/G 28VDC Power (PWR) Supply with a commercial COTS state-of-the-art 28VDC PWR Supply. |
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- Installation of Signal Entrance Panel with internet connectivity capability and two each interior internet patch panels.
- Replace curbside work area etcetera with storage lockers, shelves, racks, and cabinet.
- Installed surge protection for PWR entrance.
- Installed for safety, AC task lighting underneath roadside shelves.
- Installed for safety, ladder extension.
- Installed for safety, power kill switch at interior front.
- Installed butcher-block work surface (roadside).
- Relocate for safety, work surface convenience power strips to roadside wall.
- Installed electrostatic discharge work surface padding & wrist straps at each workstation.
- Installed for safety, non-skid floor covering.
- Installed lock boxes for secure docs and night vision equipment.
- Installed exterior single-channel Ground and Airborne Radio System (SINCGARS) antenna mount.
- Installed for safety, nitrogen bottle brackets & floor plate.
- Replaced folding stools.
- Installed rifle hooks.
- Installed for safety, protective covers for fluorescent lights.
- Deletion of air compressor plus bracketry.

b. AN/ASM-147s (LIN H01912): A Full Recapitalization Rebuild of 242 each Electronic Maintenance Storage Shelters shall be performed and the following CASCOR-Recommended Changes shall be incorporated:

- Replaced two air circulation blowers and dehumidifier with an Environmental Control Unit.
- Installed for safety, Signal Entrance Panel w/internet connectivity capability and one each interior internet patch panel.
- Installed surge protection for PWR entrance.
- Installed for safety, ladder extension.
- Installed fold-down table (for laptop) on front wall.
- Installed for safety, non-skid floor covering.
- Installed for safety, protective coverings for fluorescent lights.

c. AN/ASM-189s (LIN H01855): A Full Recapitalization Rebuild of 215 each Electronic Maintenance Shop Semi-Trailer Vans shall be performed and the following CASCOR-Recommended Changes shall be incorporated.

- Replace aging PU-545 Frequency Invertors with commercial COTS state-of-the-art 400Hz Frequency Converter.
- Installed for safety, Signal Entrance Panel w/internet connectivity capability and one each interior internet patch panel.
- Replace PP-7462A/U 28VDC Power Supply with a commercial COTS state-of-the-art 28VDC Power Supply.
- Installed surge protection for PWR Entrance.
- Installed for safety, non-skid floor covering.
- Installed for safety, handrail, and support/storage brackets for access ladders.
- Installed for safety, AC task lighting underneath roadside/curbside shelves.
- Installed for safety, power kill switch at interior rear (door-end).
- Replaced butcher-block work surface (roadside/curbside).
- Installed Electrostatic Discharge work surface padding & wrist straps at each workstation.
- Installed exterior SINCGARS antenna mount.
- Installed for safety, Nitrogen bottle brackets & floor plate.
- Replaced folding stools.
- Installed rifle hooks.
- Installed for safety, cable reel mounted below trailer chassis.
- Replaced for safety, solid fixed panels in ceiling.
- Replaced for safety, change drawer levers (18 each).
- Installed storage lockers/lock boxes and butcher-block surface to form table.
- Installed 14 more floor Davis Tie-Downs.
- Replaced old/add new compressor.

d. AN/ASM-190s (LIN H01857): A Full Recapitalization (Rebuild) of 74 each Electronic Maintenance Storage Semi-Trailer Vans shall be performed, and the following CASCOM-Recommended Changes shall be incorporated:

- Installed for safety, Signal Entrance Panel with internet connectivity capability and one each interior internet patch panel.
- Installed surge protection for PWR entrance.
- Installed for safety, handrail, and support/storage brackets for access ladders.
- Installed for safety, non-skid floor covering.
- Installed for safety, protective coverings for fluorescent lights.

This rebuild program will bring new life to the Vans/Shelters by eliminating safety issues, reducing maintenance man-hours, and improving readiness of sustained systems.

This document contains performance-based measurements that will be used to track its success and will form the basis for high-level tracking. Additionally, this initiative develops a unique performance based agreement between all involved organizations and signatories attest to what is expected from each organization to meet the intended outcome of the agreement. The measurement will allow the Army to gauge the benefits of the Recapitalization program within a select portion of the fleet and to show how this would affect the entire fleet performance if enacted.

Assumptions for the Vans/Shelter Rebuild Program.

Recapitalization will preclude the need to procure replacements for Recapitalized systems through 2020. The estimated total service life of each system is 20-25 years. Displaced systems will be inducted into the Recapitalization line and then cascaded to fill Army fielding priorities.

The Electronic Shops Recapitalization Program relies on an intra-government partnership between the Product Manager Force Sustainment Systems (PM FSS) under the Program Executive Office for Combat Support and Combat Service Support (PEO CS&CSS), with extensive support by the Communications and Electronics Command (CECOM) (Logistics Readiness Center), and Tobyhanna Army Depot. Each participant brings critical skills to the recapitalization effort and is involved in several aspects of this integrated strategy. The goal for the Electronic Shops Recapitalization is to reduce the average worldwide fleet age of the Electronic Shops from 24.5 to 18.2 years by the year 2010. The selected units will receive fully Recapitalized Electronic Shops that will have an average fleet age of only four years by the year 2010. These selected units are the US Army Stryker Brigade Combat Teams:

- a. 173rd Airborne Brigade
- b. 101st Airborne Division Air Assault (AA)
- c. 82nd Airborne Division (AA)
- d. 1st Armored Division
- e. 2nd Armored Cavalry Regiment (ACR)
- f. 18th Airborne Corps
- g. 3rd ACR
- h. 1st Combat Developments (CD)
- i. III Corps
- j. 172nd Separate Infantry Brigade
- k. 3/2 Infantry Division (ID)
- l. 1st ID
- m. 2nd ID
- n. 3rd ID
- o. 4th ID
- p. 25th ID
- q. 1/25th ID

- r. 2/25th ID
- s. 56/28th ID
- t. 10th Mountain Division
- u. Counter Attack (CATK) Corps
- v. Selected Army National Guard/Army Reserve (ARNG/USAR)

Components

- w. Special Operation Forces (SOF)

These recapitalized assets will provide “like-new” maintenance/supply facilities for field electronics maintenance personnel to support them in the Interim Force. The General Officer Working Group (GOWG) recommendation was to then cascade these recapitalized systems to lower priority units as the objective TRADOC system is fielded to the high priority units. This strategy also hedges against the possibility that the objective system will not be fully funded to the entire fleet. Should the objective system be only partially funded, the legacy fleet would be largely unsatisfactory for use (because of their age*) by the balance of the fleet without recapitalization.

* 43.5 average age in years by 2020 (for systems not recapitalized)

Method of Performance Measurement.

Benefits of the Vans/Shelter overhaul/rebuild program are an extended useful life, reduced maintenance man-hours, and improved efficiency of maintenance operations. The metrics outlined below will be tracked to measure the effectiveness of the Electronic Shops Recapitalization Program.

ESV's will be free from major defects to the shelter and van physical structure and wiring such that the number of defects as measured by CECOM analysis of Quarterly Defense Review's and Water Clearance Authority's does not exceed one percent of the fielded density over the first eight years of life after recapitalization.

Recapitalized ESV's will reduce the maintenance time of gaining units by replacing their current over-aged (maintenance intensive) ESV's with “like new” assets. It is generally acknowledged that, due to the age and physical condition of their current ESV fleet, unit maintenance personnel perform significant maintenance above and beyond Preventative Maintenance Checks and Services and “normal” unscheduled maintenance to keep the aging assets minimally functional. These efforts are largely unreported and the corresponding unit maintenance data is not available in Standard Army Maintenance System and the Operating and Support Management Information System database.

PM FSS, CECOM and Tobyhanna Army Depot will warranty each Shelter and Van for eight years to be free from any defects in material or workmanship resulting in damage to basic integrity of the shelter, van interior, or exterior and will be repaired at no cost to the using unit.

All signatories agree to the following:

- a. This is a living document and is current as of: May 12, 2003. Any changes to the Performance Plan and Agreement will be coordinated with all parties concerned.
- b. The Methods of Performance Measurements outlined above.
- c. The Business Process Improvement (BPI) Directorate in coordination with all parties will track results of Electronic Maintenance & Supply Vans/Shelter Shops Recapitalization performance metrics established in this agreement.
- d. The BPI will supply tracking results to participating organizations via the BPI website and tailored reports.
- e. The BPI will report tracking results to Army senior staff.
- f. PM FSS/CECOM in coordination with all parties will assist with metric development to be used in tracking execution.
- g. PM FSS/Communications Electronics Command (CECOM) in coordination with Army Materiel Command (AMC) and the war fighter (dependent upon who is funding the effort) will supply Facilities Support Requirement (FSR) report data to BPI.
- h. The warfighters will ensure continued emphasis on accurate data reporting.
- i. The warfighters will facilitate/authorize Headquarters, Department of the Army (HQDA) liaison visits when necessary.
- j. Component/sub-component serial numbers will be linked prior to fielding.
- k. PM FSS/CECOM/AMC will provide updates to induction/distribution schedules, performance standards and baselines whenever necessary to BPI.
- l. HQDA will furnish funding details as requested.
- m. Deputy Assistant Secretary of the Army (Cost and Economics) (DASA (CE)) will validate cost and economic analyses of recapitalization efforts that have been reviewed and accepted by the Major Army Command (MACOM) and Major Subordinate Command (MSC) cost analysis organizations. Additionally DASA (CE) will perform independent evaluations and analyses when applicable.

AGREEMENT DATE: Upon Approval

APPROVED BY:

AMC COL Moses Whitehurst Jr./s-March 10, 2003

FORSCOM Skinner, David - G4 /s- March 31, 2003

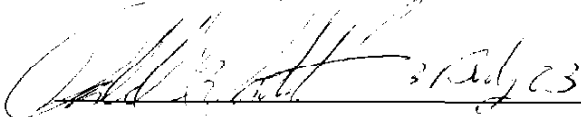
TRADOC
Systems Manager No TSM

DASA (CE) Mr. Joe S. Gordon /s-January 31, 2003

PM, Force
Sustainment Systems LTC Lawrence Silas/s-January 8, 2003

PM
Force Projection COL Genaro J. Dellarocco/s-May 21, 2003

PEO
CSCSS BG Roger Nadeau/s-May 29, 2003

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